

ENGINEERING CHANGE NOTICE
DART AEROSPACE LTD

MP

Date: 10.02.01	Job No.: RD0335JAN	ADR Yes/No: Y	ADR Date: 10.02.02	ECN #: 10 - 513
Product No.: D350-689		Created By: JPH	Approved By: <i>MW</i>	
Product Name: DUAL HIGH BACK SEAT		Checked By: <i>KJ</i>	General Manager Approval:	

Distribution	Reqd	Resp	Initial / Date
Production Manager / Coord.	Y	LL	
Production Document Control	Y	BG	
Purchasing Coord.	Y	CL	
Production Engineering Coord.	Y	DD	

Distribution	Reqd	Resp	Initial / Date
DQA / QA Coord.		N	
QC Coordinator	Y	JM	
Customer Technical Support	Y	DS/MB	
Marketing	Y	SW	
Customer Order Processing	N		

Reason for Change:	TO PROVIDE INSTALLATION ISTRUCTIONS TO INSTALL DSI9495-011 REINFORCED BACK FRAME KIT
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Documents Affected:	DSI 9495 REV. A
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PARTS MUST COMPLY **PREVIOUS PARTS SATISFACTORY**

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N/A			
2	Notify Eurocopter France	N/A			
3					

#	Engineering Actions	Reqd	Resp	Notes	Complete
4	Required Documents/Drawings Under Review	Y	JPH		
5	Update Master Document List (MDL)	N/A			
6	Update Product Compatability Matrix	N/A			
7	Create Eurocopter Form (FEE)	N/A			
3	Notify TC / FAA of Change	N/A			
9					

#	Document Control Actions	Reqd	Resp	Notes	Complete
10	Move Electronic Files	Y	KJ		10.02.10 <i>PK</i>
11	Update Blue/Pink/DSI Folder and Electronic Files	Y	KJ	REF ONLY	10.02.10 <i>PK</i>
12	Update Controlled PDF Files	Y	KJ		10.02.10 <i>PK</i>
13	Update Document Record (DR)	Y	KJ	<i>Rev. #</i>	
14	Update Product Development Summary	N/A			
15	Update QSI 021 and/or STC Approval List	N/A			
16	Update Parts / ETC Database	Y	KJ	ADD DSI 9495-011	10.02.10 <i>PK</i>
17	Update / Verify ARC Database	Y	KJ	# 55	10.02.10 <i>PK</i>
18	Create / Update Change Record Form / Item Card Database	Y	KJ	CHG 001	10.02.10 <i>PK</i>
19	Create / Update PPP's	Y	KJ		
20	Update Document Control Database / Laminated Dwgs	N/A			
21	Update Grey Project / Electronic Binder PDF Files	Y	KJ		10.02.10 <i>PK</i>
22	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		10.02.10 <i>PK</i>
23					
24					

Description / Action:	RELEASE DSI 9495 REV A. CHANGE 001
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U *W0 56200 -011*
10-02-19 *56376 -021*

ECN Verified & Complete: _____ Date: _____

ENGINEERING CHANGE NOTICE
DART AEROSPACE LTD

MPP

Date: 10.01.20	Job No.: RD0335JAN	ADR Yes/No: Y	ADR Date: 10.01.20	ECN #: 10 - 504
Product No.: D350-689		Created By: JPH	Approved By:	
Project Name: DUAL HIGH BACK SEAT		Checked By: <i>JPH</i>	General Manager Approval:	

Distribution	Reqd	Resp	Initial / Date
Production Manager / Coord.	Y	LL	
Production Document Control	Y	BG	
Purchasing Coord.	Y	CL	
Production Engineering Coord.	Y	DD	

Distribution	Reqd	Resp	Initial / Date
DQA / QA Coord.	N		
QC Coordinator	Y	JM	
Customer Technical Support	Y	DS/MB	
Marketing	Y	SW	
Customer Order Processing	N		

Reason for Change: TO REINFORCE THE JUNCTION BETWEEN THE BACK FRAME ASSY AND THE SEAT FRAME ASSY BY INCREASING THE WALL THICKNESS OF D3017-5 TUBE AND THE BOLTS USED.

Documents Affected:

D3017 REV B
DEO D3016-A-1
DSI 9498 REV A

PARTS MUST COMPLY



PREVIOUS PARTS SATISFACTORY



#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N/A			
2	Notify Eurocopter France	N/A			
3					

#	Engineering Actions	Reqd	Resp	Notes	Complete
4	Required Documents/Drawings Under Review	Y	JPH		10.02.10 <i>JPH</i>
5	Update Master Document List (MDL)	N/A			
6	Update Product Compatability Matrix	N/A			
7	Create Eurocopter Form (FEE) Notify TC / FAA of Change	N/A			
		N/A			

#	Document Control Actions	Reqd	Resp	Notes	Complete
10	Move Electronic Files	Y	KJ		10.02.10 <i>KJ</i>
11	Update Blue/Pink/DSI Folder and Electronic Files	Y	KJ		10.02.10 <i>KJ</i>
12	Update Controlled PDF Files	Y	KJ		10.02.10 <i>KJ</i>
13	Update Document Record (DR)	Y	KJ	<i>Par. 4</i>	10.02.10 <i>KJ</i>
14	Update Product Development Summary	N/A			
15	Update QSI 021 and/or STC Approval List	N/A			
16	Update Parts / STC Database	N/A			
17	Update / Verify ARC Database	N/A			
18	Create / Update Change Record Form / Item Card Database	Y	KJ		10.02.10 <i>KJ</i>
19	Create / Update PPP's	Y	KJ		
20	Update Document Control Database / Laminated Dwgs	N/A			
21	Update Grey Project / Electronic Binder PDF Files	Y	KJ		10.02.10 <i>KJ</i>
22	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		10.02.10 <i>KJ</i>
23					
24					

Description / Action:

RELEASE D3017-REV B, DEO D3016-A-1 AND DSI 9498 REV A.

UPDATE CHANGE Nos TO: D350-689-011 CHANGE 003, D350-689-021 CHANGE 002, D350-689-041 CHANGE 002 AND D350-689-043 CHANGE 002

ECN Verified & Complete: _____

Date: _____

List Lots

February 22, 2010 9:28:42 AM

Page 1 of 1

Criteria : Item ID: d350-689-011 All Locations All Warehouses All Quantity

Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Type Code	Comments
D350-689-011 Dual High Back Seat	Main Warehouse FG	43511 <i>G</i>	12/05/09	1.0000	QC21	CHG002	
	Main Warehouse FG	50177 <i>G/H</i>	12/05/09	1.0000	QC21	CHG002	
			Total:	2.0000			

List Lots

February 22, 2010 9:46:44 AM

Page 1 of 1

Criteria : Item ID: d350-689-021 All Locations All Warehouses All Quantity

Item ID	Warehouse ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Type Code	Comments
Item Name	Location ID				Lot Code		
D350-689-021	Main Warehouse	44405	12/05/09	1.0000	QC21	CHG001	
Dual High Back Seat, LH	FG						

Total: 1.0000

Under Review Notification

Raised By: JUAN HURTADO

Date: 10.01.13

Product #: D350-689

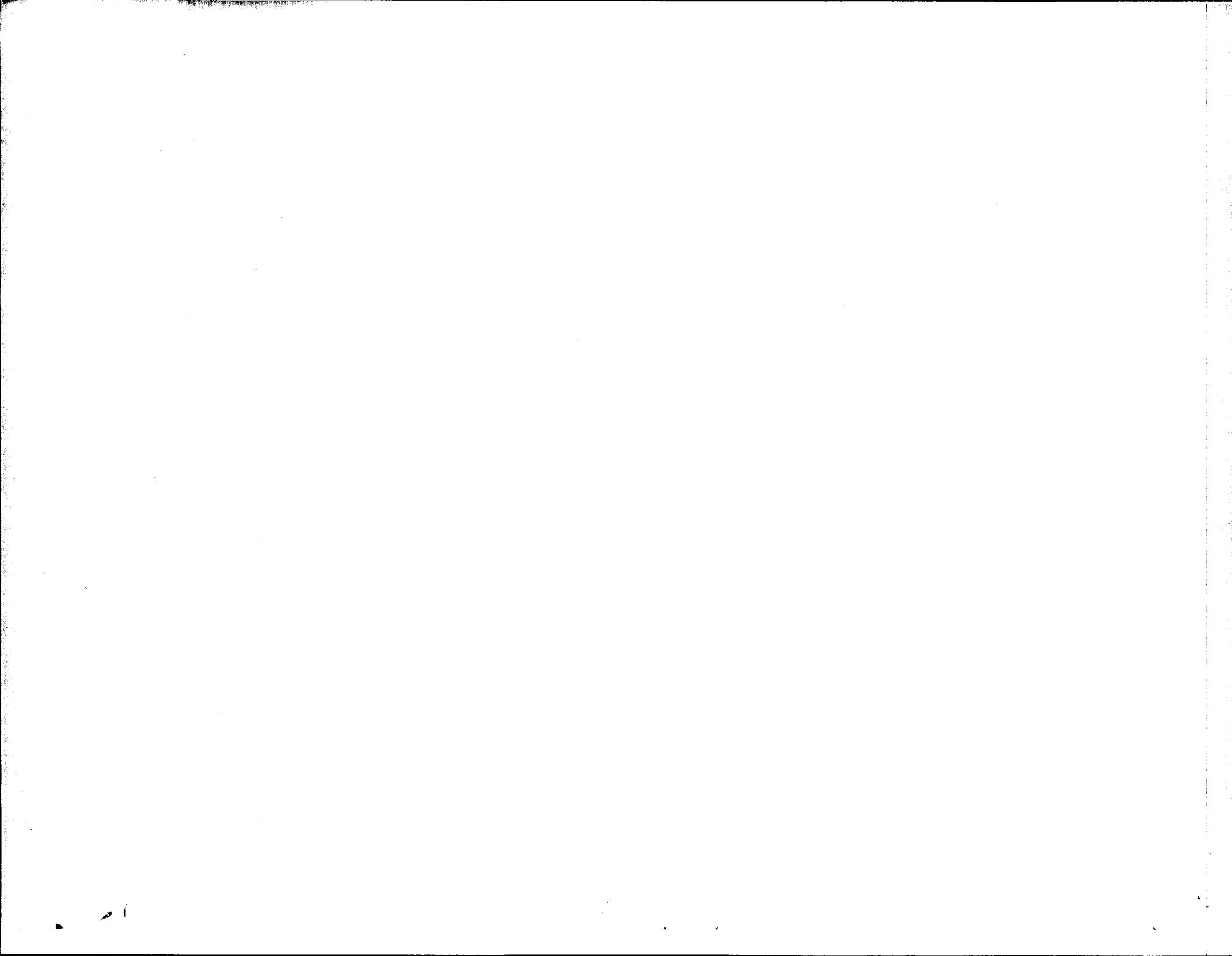
Product Name: DUAL HIGH BACK SEAT

Description of issue:

- A CUSTOMER HAS COMPLAINED THAT THE JUNCTION BETWEEN THE BACK FRAME (D3017-041) AND THE BASE IS WEAK AND THAT THE HOLES ARE GETTING ELONGATED. IT HAS BEEN DECIDED TO INCREASE THE WALL THICKNESS OF D3017-5 TUBE.
-D350-689-011 & D350-689-041 BLUE FILE UNDER REVIEW

Gen?

Distribution:	General Manager	Production Engineering Coordinators	Engineering Project Managers
	Production Manager	Quality Assurance Coordinator	Engineering Clerk
	Director Quality Assurance	Quality Control Coordinator	Marketing
	Design Manager	Order Processing	
	Chief Engineer	Customer Technical Support	



Work Order ID 52350

January 13, 2010 11:01:57 AM



Page 1

Item ID: D3017-041

Accept



Setup Start



Revision ID: A

Stop



Item Name: Back Frame Assembly

Start Date: 9/23/09 Start Qty: 3.00



Cust Item ID:

Required Date: 10/09/09 Req'd Qty: 3.00



Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D3017	Rev A

100



Large Fab

Large Fab

Memo

0.00

1-Cut all tubes as per Dwg D3017

2-Bend tube as per dwg D3017

3-Drill holes in D3017-5 Using DT8622

4-Deburr

5-Assemble and weld as per Dwg D3017 using Welding Jig DT8598

A/R 4130 Rod Batch:

6-Drill holes in back frame using back pan

110



QC9- Inspect visual per QSI004- Fusion Welds

0.00

QC

Memo

0.00

Quality Control

SPEC SHEET ONLY

Work Order ID 52350

January 13, 2010 11:01:58 AM



Page 2

Item ID: D3017-041

Accept



Setup

Start



Revision ID: A

Stop



Item Name: Back Frame Assembly

Start Date: 9/23/09 Start Qty: 3.00



Cust Item ID:

Required Date: 10/09/09 Req'd Qty: 3.00



Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run

Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

120



QC5- Inspect part completeness to step on W/O

0.00

QC

Quality Control

Memo

0.00

130



Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3

0.00

Powdercoat

Powder Coating

Memo

0.00

START TIME: _____
OVEN TEMPERATURE: _____
FINISH TIME: _____

140



QC3- Inspect Part Finish

0.00

QC

Quality Control

Memo

0.00

REFERENCE ONLY

Work Order ID 52350

January 13, 2010 11:01:58 AM



Page 3

Item ID: D3017-041

Accept



Setup Start



Revision ID: A

Stop



Item Name: Back Frame Assembly

Start Date: 9/23/09 Start Qty: 3.00



Cust Item ID:

Required Date: 10/09/09 Req'd Qty: 3.00



Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

**Sequence ID/
Work Center ID****Operation
Description**Set Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

150



Identify as per dwg & Stock Location:

0.00

Packaging

Packaging

Memo

0.00

160



QC21- Final Inspection - Work Order Release

0.00

QC

Quality Control

Memo

0.00

